

Purchasing Receipts

PO No	Supplier	Line Item No	Rel	Terms	Purchased Item	Description	For Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due
P0039474	MES002-VC	1	1	Net 30	M304B0.750W.065	304 Sq Tube : MATERIAL: AISI 304/316 SEAMLESS STEEL SQUARE TUBING AS PER ASTM A564 MILL FINISH OR ASTM A269 MILL FINISH receive ft			600	4/9/2018	500	S059803	S059803	Stock	4/10/2018	\$ 3.25 / ft	0	0
		2			M304B0.250X.500	304 Bar .250 X : MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE receive ft			200		221	S059804	S059804	Stock	4/10/2018	\$ 4.25 / ft	0	0
Total:										800								
											721							

Plex 4/10/2018 3:58 PM Dat.Dubois.Pascal

PURCHASE ORDER
PO039474

Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

Supplier:

MES002-VC
Metaux Solutions
2625 boul Jacques-Cartier Est
Longueuil
QC
J4N 1L7 Canada
Phone: 800 558 8858
Fax: 514 633 8044

Ship To:

1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Items

PO No:	PO039474	PO Date:	4/2/18	Due Date:	4/9/18	Purchase Order	Revision:	Revision Date:	Ship-To Contact:	Lavoie, Chantal	Phone:	clavoie@dartaero.com
Via:	Ground	Net 30										
Special Comments:	<p>REUSE \$</p> <p>E-MAILED</p> <p>APR 03 2018</p>											

Line	Item	Part	Supplier	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit	Price (CAD)	Extended Price
1	M304TS0.750W.065			304 Sq Tube .75X.75X.065W : MATERIAL: AISI 304/316 SEAMLESS STAINLESS STEEL SQUARE TUBING AS PER ASTM A554 MILL FINISH OR ASTM A269 MILL FINISH receive ft	Firmed	4/9/18	600 ft	0 ft	600 ft		\$3.25/ft	\$1,950.00
2	M304B0.250X0.500			304 Bar .250 X .500 : MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE receive ft	Firmed	4/9/18	200 ft	0 ft	200 ft		\$4.25/ft	\$850.00
Grand Total: \$2,800.00												

Order Notes

Procurement Quality Clauses

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

CA

METAUX SOLUTIONS INC
2625 BOUL JACQUES CARTIER EST
LONGUEUIL, QUEBEC
J4N 1L7
Tel.: 450 641-3330

Customer: 6323336

DART AEROSPACE LTD
1270, ABERDEEN STREET
HAWKESBURY, ONTARIO
K6A 1K7

Ship To

Same

Tel.: 1 613 632-3336

Shipping Order 09/04/2018

Order
Reference
Ship

: 134020
: po039474
: PICK UP / PICK UP

Item No.	Description	Qty	Qty. Delivered	B/O Qty
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***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR
LE PACKING SLIP INSCRIRE LES HEAT N

SSQT34340654

TUBE SS304 180 GRIT 3/4" X 3/4" X .065"

26 x 20' *****

ht:tbh041709 et 59598

304 STAIN FLA .25" X .500" HR

17 x 13' r/l

ht:67736108

ship journey collect

Merchandise Received:

Shipping :
Package No :
Ref. :

minimax
1 PCS
04-09-18
Pat Grubbs

METAUX SOLUTIONS INC
2625 BOUL JACQUES CARTIER EST
LONGUEUIL, QUEBEC
J4N 1L7
Tel : 450 641-3330

Customer : 6323336

DART AEROSPACE LTD
1270, ABERDEEN STREET
HAWKESBURY, ONTARIO
K6A 1K7

Ship To

Same

Tel.: 1 613 632-3336

Shipping Order

09/04/2018

Order
Reference
Ship

: 134020
: po039474
: PICK UP / PICK UP

Item No.	Description	Qty	Qty. Delivered	B/O Qty
----------	-------------	-----	----------------	---------

***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR
LE PACKING SLIP INSCRIRE LES HEAT N

SSQT34340654 TUBE SS304 180 GRIT 3/4" X 3/4" X .065"

25 x 20' *****

ht:ibh041709 et 5g598

304 STAIN.FLA.25" X .500" HR

17 x 13' r/l

ht:67736108

SF14124HR

221

see

500

500

ship journey collect

Merchandise Received:

Shipping
Package No :

Ref: :

BÖLLINGHAUS STEEL DIN EN ISO 9001:2008 TÜV CERT No. 01 030458		Unsere interne Verweisung / Our Int. Ref. / Refint 5600038278 000010		Datum / Date / Data 18.12.2017																									
Spezifikation / Standards / Normas TYPE 304L UNIS S30400 AND TYPE 304L UNIS S30403 acc. to ASTM A276/A276M-16a, ASTM A314-15, ASTM A422-15 Part E, AMS QQ-S-7630, AMS 5630J, AMS 5647K, ASME SA479/SMA/19M, ASME SA276, ASME SA182/182M, ASME SA193/SA193M, ASME SA320/SA320M, NACE MR0175-2015, execution as per ASTM A484/A484M-16.																													
Kunde / Customer / Cliente		Endgültiger Kunde / Final Customer / Cliente Final																											
Bestell Nr./Order Nr./Encom. C110766		Bestell Nr./Order Nr./Encom. C110766.1																											
Produktgruppe / Product Group / Grupo Produto AISI 304L FLAT 1/4 X 1/2"		Gewicht / Weight / Peso 1.059 lb		Bunde / Bundle / Atados 01																									
Werkstoff-Nr. Material-no. 1.4307		Beschreibung / Description / Descrição US DPAF 252.225-7009, MELT SOURCE: France / MFG: Portugal. Stainless steel flat bars hot rolled, heat treated, straightened and pickled																											
Chemische Analyse in % / Chemical composition in % / Análise química em % <table border="1"> <thead> <tr> <th>C</th> <th>Mn</th> <th>P</th> <th>S</th> <th>Cr</th> <th>Ni</th> <th>Mo</th> <th>Co</th> <th>Cu</th> <th>N</th> <th>Al</th> <th>Ti</th> </tr> </thead> <tbody> <tr> <td>0.018</td> <td>0.525</td> <td>0.029</td> <td>0.025</td> <td>18.127</td> <td>8.045</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table>						C	Mn	P	S	Cr	Ni	Mo	Co	Cu	N	Al	Ti	0.018	0.525	0.029	0.025	18.127	8.045	-	-	-	-	-	-
C	Mn	P	S	Cr	Ni	Mo	Co	Cu	N	Al	Ti																		
0.018	0.525	0.029	0.025	18.127	8.045	-	-	-	-	-	-																		
Proben Nr. Test no. America no.		Kerbschlagarbeit Impact Test Resiliência {Charpy V} Rp 0.2 % Tensão limite Yield point Streckgrenze Limite de extensão Tensão de ruptura Rm Zugfestigkeit Elongation Redução of area Coal. Estirado		ASTM E398 ASTM A370																									
Visualle Kontrolle Visual inspection Inspeção visual		Härte Hardness Dureza		ASTM E10 ASTM A262 Practice E																									
Maßkontrolle Dimensional inspection Inspeção dimensional		Korrosionsbeständigkeit Corrosion resistance IC Test		Wärmebehandlung Heat treatment Tratamento térmico																									
Nachkontrolle Dimensional inspection Inspeção dimensional		Korngröße Grain size Tamanho de grão		Verschleißprüfung Test of hardness Teste de dureza																									
Bemerkungen / Remarks / Observações Country of origin: Portugal. No weld repair done. Material is free of mercury and radiation contamination.		Hiermit bestätigen wir, dass das Material der oben genannten Spezifikation entspricht. We confirm that this material meets the specification according to the mentioned standards. Confirmamos que este material respeta as especificações do acordo com as normas referidas.																											

000744



YCINOX CO., LTD.

檢驗證明書

INSPECTION CERTIFICATE

524彰化縣溪州鄉中山路四段270號
No.270, Sec.4, Jungshan Rd., Shijou Shiang,
Chang-Hwa, Taiwan, R.O.C
http://www.ycinox.com
TEL : +886-4-8899666 FAX : +886-4-8899770



客戶名稱 Customer	客戶編號 Customer No.	FCA027	證明書編號 Certificate No.	170615P0017
產品名稱 Production	商業發票號碼 Commercial Invoice No.	J17050350	證明書日期 Date of Issue	2017/06/14
規格名稱 Specification	客戶採購案號 PO No.	P007499	訂單編號 Order No.	EPI7040026-1
鋼種 Steel Grade	提貨單編號 Weight No.	C17060050	P.I.號碼 P.I.NO.	PI 1704-009

項目 Item No.	爐號 Heat No.	產品規格 Product Description	數量 Quantity Pcs	表面 Finish	化學成份(%) Chemical Composition										拉伸試驗 Tension Test			*01 硬度試驗 Hardness Test
					碳 C X10 ⁻³	矽 Si X10 ⁻²	錳 Mn X10 ⁻²	磷 P X10 ⁻³	硫 S X10 ⁻³	鎳 Ni X10 ⁻²	鉻 Cr X10 ⁻²	屈服 0.2%Y.S. MPa	抗拉 T.S. MPa	伸長率 E.L. %				
Specification																		
1	TBH041709	3/4" (19mm) x 3/4" (19mm) x 0.065" (1.65mm) x 20FT	75	CHIT 180	Min.	Max.	80	100	200	45	30	1100	2000	800	1800			
2	TBH050531	1" (25.4mm) x 1" (25.4mm) x 0.065" (1.65mm) x 20FT	70	CHIT 180			47	48	87	32	3	810	1813	320	664	50	86	
3	TBH051154	1" (25.4mm) x 1" (25.4mm) x 0.065" (1.65mm) x 20FT	80	CHIT 180			48	49	88	35	3	804	1823	308	656	52	83	
4	TBH050989	1 1/4" (31.8mm) x 1 1/4" (31.8mm) x 0.065" (1.65mm) x 20FT	75	CHIT 180			43	51	89	34	3	807	1816	318	703	55	86	
5	TBH051825	1 1/4" (31.8mm) x 1 1/4" (31.8mm) x 0.12" (3.05mm) x 20FT	50	CHIT 180			62	52	86	29	3	812	1815	318	668	52	84	
6	TBH032105	2" (50.8mm) x 2" (50.8mm) x 0.12" (3.05mm) x 20FT	75	CHIT 180			47	47	93	34	4	813	1818	287	629	54	84	
7	TBH032046	2" (50.8mm) x 2" (50.8mm) x 0.12" (3.05mm) x 20FT	25	CHIT 180			50	47	89	32	4	804	1817	323	688	53	89	
TOTAL:			450															
			Weight No. C17000030															PINO. P11704-009

附註 Remark		註解 Note	
This certificate complies to 3.1/EN 10204:2004.		*01- Hardness Test *Gauge Length: 50mm	
Surveyor By	Visual Inspection (Surface) and Dimension Check : OK		
N/A	<p>茲證明本文所列產品，均依材料標準製造及試驗，並符合標準之要求，與無縫鋼管。</p> <p>We hereby certify that material described herein has been manufactured and tested with satisfactory results in accordance with the requirement of the above material specification. The material described above has been found free of radiation by raw material supplier.</p>		
<p>1.ISO 9001:2008 (No.01 100 056299) 2.PED /AD2000 (No.01 202 TWM/Q.05 0105) 3.ISO 14001:2004 (No.01 104 822 096385) 4.OHSAS 18001:2007 (No.01 113 822 096385)</p>		<p>1MPa=1N/mm²=10bar=145psi 10.2kgf/cm²</p>	
<p>Manager of Quality Assurance Department</p> <p><i>Tae Yi Chen</i></p>			

Kingmaker Steel Co., Inc.

Stainless Steel Tube and Pipe

133 Belmont Drive, Somerset, NJ 08873-1203
Tel: (732) 302-1800, Fax: (732) 302-1822

Material Certification

ISO 9001:2015
ISO 14001:2004
EN 10204/3.1B

Ship To:

Date: 3/7/2018
Invoice No: KM2018/0651
Purchase Order No: P009698
Sold To:

Stainless Steel T.I.G. Welded Tubing. Country of Melt: Taiwan, Country of Origin: Taiwan.

Item	Description	Heat No.	Finish	Specification	Grade
1:	3/4" SQ X 0.062" W X 20'	5G598	180G	ASTM A554-16	MT-304
2:	3/4" SQ X 0.120" W X 20'	5H982	MF	ASTM A554-16	MT-304
3:	1" SQ X 0.060" W X 20'	9H940	180G	ASTM A554-16	MT-304
4:	1" SQ X 0.120" W X 20'	5G735	MF	ASTM A554-16	MT-304
5:	1-1/4" SQ X 0.120" W X 20'	5G296	MF	ASTM A554-16	MT-304

CHEMICAL PROPERTIES

C	Si	Mn	P	S	Cr	Ni	Mo	N	Cu
1:	.018	.400	1.37	.028	.002	18.10	8.05	8.03	
2:	.020	.390	1.43	.029	.010	18.05			
3:	.020	.430	1.58	.032	.002	18.28			
4:	.019	.390	1.41	.029	.007	18.23			
5:	.020	.400	1.40	.033	.007	18.14			

MECHANICAL PROPERTIES

Tensile (N/mm ²)	Yield (N/mm ²)	Elong. (%)	Hardness (HRB)	Flattening	Hydrostatic	Eddy	Current
1: 660.00	331.00	49.00	87.10				
2: 641.00	297.00	53.00	86.00				
3: 676.00	260.00	55.00	81.70				
4: 642.00	282.00	53.00	85.00				
5: 649.00	282.00	53.00	86.00				

WE HEREBY CERTIFY THAT TO THE BEST OF OUR KNOWLEDGE, THE MATERIAL LISTED ABOVE HAS BEEN MANUFACTURED IN ACCORDANCE WITH AND MEET THE ABOVE APPLICABLE SPECIFICATIONS AND GRADES, AND ALSO THAT THE MATERIAL WAS PRODUCED IN A MERCURY FREE ENVIRONMENT. THE CHEMICAL COMPOSITIONS OF THE MATERIAL ARE IN ACCORDANCE WITH ASTM A240.

485100

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304750.750w.065 DATE: APR 10 2018
 MATERIAL CERT REC'D: YES QUANTITY INSPECTED: 500'
 QUANTITY RECEIVED: 500' QUANTITY REJECTED: 0
 THICKNESS ORDERED: W.065 THICKNESS RECEIVED: W.065
 SHEET SIZE ORDERED: N/A SHEET SIZE RECEIVED: N/A
 PO / BATCH NO.: 039474/5059803

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="radio"/> Y	
CORRECT FINISH	<input checked="" type="radio"/> Y	
CORROSION	<input checked="" type="radio"/> Y	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y	
CORRECT THICKNESS	<input checked="" type="radio"/> Y	
PHOTO REQUIRED	<input checked="" type="radio"/> Y	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="radio"/> Y	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="radio"/> Y	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.				
RECORD RESULTS BELOW				
HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION
 ENGINEERING SIGNOFF (if required)
 INSPECTED BY: DAS
 DATE: 9-89 APR 10 2018
 SIGNED OFF BY: _____
 DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

PURCHASE MATERIAL: AISI 304/316 STAINLESS STEEL SQUARE TUBING

FINISH:

ASTM A554 MILL FINISH
OR
ASTM A269 MILL FINISH

PART NUMBER:

M304TS | A.AAA | W.TTT
| WIDTH | | WALL |

PART NUMBER:

EG. 0.75" X 0.75" X 0.049 WALL = M304TS0.750W.049

WHERE:

A.AAA = WIDTH IN INCHES
.TTT = WALL THICKNESS IN INCHES

RELEASED
2014-05-26

D	"SEAMLESS" REMOVED FROM PURCHASE MATERIAL SPECIFICATION (SEE NCR14.3818)	DB	14.06.20
C	"SEAMLESS" ADDED TO PURCHASE MATERIAL. ASTM A269 ADDED TO FINISH. REASON: SPEC ADDED FOR 1/2" TUBING	AJS	08.10.16
B	DRAWING MOVED TO "B" SIZE BORDER FINISH ADDED (SEE NCR 08-046 FOR DETAILS)	AJS	08.08.28
A	NEW ISSUE	DS	01.06.08
REV.	DESCRIPTION	BY	DATE
DESIGN	DS		
DRAWN	DB		
CHECKED	DB		
MFG. APPR	M304TS		
APPROVED	TITLE		
DE APPR	304/316 SQUARE TUBING		
DATE	14.05.20		

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THE WRITTEN PERMISSION OF DART AEROSPACE LTD.

REV. D
SHEET 1 OF 1
SCALE
NONE

DART AEROSPACE LTD
HAMMERSBURY, ONTARIO, CANADA

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304B 0.250X0.750 DATE: APR 10 2018
 PO / BATCH NO.: 039474/6032804

MATERIAL CERT REC'D: yes QUANTITY RECEIVED: 221' QUANTITY INSPECTED: 22 QUANTITY REJECTED: 0
 THICKNESS ORDERED: 0.250 THICKNESS RECEIVED: 0.250 SHEET SIZE ORDERED: N/A SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORROSION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y <input type="radio"/> N	<u>As per A226</u>
CORRECT THICKNESS	<input checked="" type="radio"/> Y <input type="radio"/> N	
PHOTO REQUIRED	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input type="radio"/> N	<u>Heat # 67736108</u>
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="radio"/> Y <input type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="radio"/> Y <input type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.				
RECORD RESULTS BELOW				
HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

Testers located in the Quality Office

QC 18 INSPECTION ENGINEERING SIGNOFF (if required)

INSPECTED BY: 11 SIGNED OFF BY: 988

DATE: APR 10 2018

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE
(NOTE: AISI 303 NOT ACCEPTABLE)

SPECIFICATION: ASTM A276 OR ASTM A240
PART NUMBER: M304B1TTT X WWW.WWW/
THICK | WIDTH

WHERE "TTT" = THICKNESS IN INCHES
AND "WWW" = WIDTH IN INCHES

EG. 0.5" x 3.0" BAR = M304B0.500X03.000
EG. 0.5" X 12.0" PLATE = M304B0.500X12.000

RELEASED
2010-11-30
AM

C	ADDED PLATE TO PURCHASE MATERIAL, ADDED PLATE RELATED SPECIFICATIONS, AND EG.: CHANGED TITLE FROM 304/316 BAR TO 304/316 BAR/PLATE	MB	10.11.25
B	REFORMAT DWG. ADD SPECS (ZIN D6-1), REF PAR 08-020A	CP	09.07.15
A	NEW ISSUE	PH	05.06.10
REV.	DESCRIPTION	BY	DATE
DESIGN	PH		
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	10.11.25		
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DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA
DRAWING NO. M304B
TITLE 304/316 BAR/PLATE
REV. C
SHEET 1 OF 1
SCALE NTS